

**ABSTRACT OF THE DISCLOSURE**

Disclosed are a paging method for a mobile communication system and a recording medium readable by a computer having a program for implementing the method that can dynamically adjust a paging period by lengthening a basic paging period and by shortening the paging period when the paging fails. The method includes a first step of a base transceiver subsystem (BTS) having a set initial paging value paging a mobile communication terminal within the BTS for a first period and checking a response to the paging, a second step of performing an operation according to the paging of the mobile communication terminal if it is confirmed that the response has been received through the checking at the first step, while replacing the first period with a second period obtained by dividing the first period by a predetermined value if it is confirmed that no response has been received through the checking at the first step, a third step of returning to the first step by replacing the first period with a minimum period preset by the initial value if the first period replaced at the second step is smaller than the minimum period, and a fourth step of returning to the first step by replacing the first period with the first period replaced at the second step if the first period replaced at the second step is larger than the minimum period.